How Was the Wooden Marionette Related to the Wooden Diving Board?

Use a calculator to solve each problem (round decimal answers to the nearest tenth). Find your answer in the answer column and notice the two letters next to it. Write these letters in the spaces over the exercise number at the bottom of the page.

WORLD RECORD: The largest jigsaw puzzle ever made was 85 by 55 ft and had 15,520 pieces. It was constructed by the United Way in Keene, New Hampshire.

1. What was the area of the puzzle in ft^2? _____ ft^2
2. What was the area of the puzzle in $in.^2$? _____ $in.^2$
3. What was the average size of each piece? _____ $in.^2$

WORLD RECORD: The world's largest quilt, designed by A. Platteau, measures 69.6 by 99.5 ft. It was made from 16,140 equal-sized squares sewn together.

4. What is the area of the quilt in ft^2? _____ ft^2
5. What is the area of the quilt in $in.^2$? _____ $in.^2$
6. What is the area of each square? _____ $in.^2$

WORLD RECORD: The world's longest buffet table was 3,304.8 ft long and 8.2 ft wide. On June 19, 1982, approximately 4,000 people, including HM The King of Sweden, were seated at the table.

7. What was the area of the table? _____ ft^2
8. What was the perimeter of the table? _____ ft
9. If 4,000 people were equally spaced around the perimeter of the table, how far apart were they sitting? _____ ft

WORLD RECORD: The largest American flag ever made was first displayed on March 22, 1980, and measures 411 by 210 ft.

10. What is the area of the flag in ft^2? _____ ft^2
11. What is the area of the flag in yd^2? _____ yd^2
12. The fabric used for the flag weighs about 1.6 lb per yd^2. About how much does the flag weigh? _____ lb

Answers

(HA)	1.7
(HE)	997,228.8
(OM)	46.5
(DE)	7,130.
(LY)	673,200
(TR)	15,344
(EY)	27,099.4
(WO)	2.1
(DT)	4,675
(SA)	86,310
(RI)	917,106.8
(ME)	6,925.2
(FA)	6,626
(ST)	14,904
(EE)	61.8
(VO)	4,835
(MI)	9,590
(TH)	43.4
(EN)	83,820
(ER)	28,186.4

3	7	9	1	5	10	4	8	11	2	12	6